INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/23634

A. CLA	ASSIFICATION OF SUBJECT MATTER	1 0 27 0 30 47 23 0 3	·
1 IPC(/)	: A61K 31/00; GO1N 33/53; 33/543		
US CL	: 73/64.47: 424/449: 435/3: 436/907: 514/1		
B. FIE	to International Patent Classification (IPC) or to both	national classification and IPC	
	EDS SEARCHED		
Minimum d	ocumentation searched (classification system follower	d by classification symbols)	
0.3. ;	73/64.47; 424/449; 435/3; 436/807; 514/1	,	
Documentat	tion searched other than minimum documentation to the	he extent that such documents are included	in the Call
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Electronic d	lata base consulted during the international account		
Please See (lata base consulted during the international search (na Continuation Sheet	me of data base and, where practicable, sea	arch terms used)
C. DOC	TIMENTS CONSTRUDED TO DE		
Category *	CUMENTS CONSIDERED TO BE RELEVANT		
X	Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim No.
	WO 02/16941 A2 (THE REGENTS OF THE UNIFIED FEBRUARY 2002, see entire document.	VERSITY OF CALIFORNIA) 28	1-8,13-18, 33, 35-41,
Y	or of the document.		44-46, 52
]		0 10 10 00 04 40
			9-12, 19-32, 34, 43, 47-5 1
Y	WO COURCEAG A COMMISSION OF THE COMMISSION OF TH		17.52
1	WO 02/06518 A1 (TRANSFORM PHARMACEU entire document	TICALS, INC.) 24 January 2002, see	9-12, 19-32, 34, 43,
Y			47-51
-	VIAN, L. et al., "Comparison of Three In Vitro C Surfactant Ocular irritation", Toxic. In Vitro, Vol. entire article.	ytotoxicity Assays for Estimating	19-32, 34, 43, 47-51
	entire article.	9, No. 2 pages 185-190 (1995), see	
Y	FDA: "Guidance for Industry: Skin Irritation and Se	ensitization Testing of Generic	10-22 24 43 47 51
	1 - Landonnar Ding Floures Illiemer at him. //ww	ww.fda.gov/cder/guidance/index.htm.	19-32, 34, 43, 47-51
	(updated 3/8/01) pages 1-8, see entire document.	,	}
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Further	documents are listed in the continuation of Box C.	San material San 11	
* S	pecial categories of cited documents:	See patent family annex.	
		date and not in conflict with the applic	
of particu	t defining the general state of the art which is not considered to be llar relevance	principle or theory underlying the inve	ntion but clied to understand the
"E" earlier ap	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered poyel or cons	laimed invention carroot be
		considered novel or cannot be consider when the document is taken alone	ed to involve an inventive step
establish t	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as		
-poolitica)		considered to involve an inventive step	
"O" document	referring to an oral disclosure, use, exhibition or other means	combined with one of more other each	donument
'P" document	published prior to the international filing data but later than the	sound do vious to a person skilled in the	art
	Granica	"&" document member of the same patent f	amily
Jate of the ac	ctual completion of the international search	Date of mailing of the international search	
8 December	2004 (08.12.2004)		
Name and ma	iling address of the ISA/US	Authorized officer 2 \$ JAN 2005)
Mail	Stop PCT, Attn: ISA/IIS	Aumorized officer	
Com	unissioner for Patents Box 1450	Bennett Celsa DEBORAH	A. THOMAS
Alex	andria, Virginia 22313-1450	Telephone No. 703-308-01PARALEGAL	SPECIALIST
acsimile No.	(703) 305-3230	GROU	-1300 Pur
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INTERNATIONAL SEARCH REPORT

International application No. PCT/US04/23634

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N
X	US 5,446,025 A (LU et al.) 29 August 1995, see entire document.	32, 35-41, 44-50,
Y		32, 33 41, 44-30,
X	US 5,947,921 A (JOHNSON et al.) 7 September 1999, see entire document.	33, 35-41, 44-50,
х	Pharmaceutical Skin Penetration Enhancement: MOLLGAARD, B "Synergistic Effects in Percutaneous Enhancement", (ed.: K. Walters & J. Hadgraft 1993), New York, Marcel Dekker pages 229-242, see entire article.	33, 35-41, 44-48, 5 52
A	US 5,490,415 A (MAK et al.) 13 February 1996, see entire patent.	1-52
A	KARANDE, P et al., Pharm. Res. Vol. 19, No. 5 (May 2002) pages 655-660, see entire article.	1-52
A	SANTUS, G.C. et al., "Transdermal Enhancer Patent Literature", J. Controlled Release Vol. 25 (1993) pages 1-20, see entire article.	1-52
A	MITRAGOTRI, S "Synergistic Effect of Enhancers for Transdermal Drug Delivery", Pharm. Res. Vol. 17, No. 11 (2000) pages 1354-1359, see entire article.	1-52
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INTERNATIONAL SEARCH REPORT

International application No. PCT/US04/23634

Box No. II	UUSEFVALIONS Where certain claims word found are a second	
	Observations where certain claims were found unsearchable (Continue) search report has a latest and the search report and the search report report has a latest and the search report re	ntinuation of item 2 of first sheet
This internat	tional search report has not been established in respect of certain claims under Ar	ticle 17(2)(a) for the following reasons
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Author	
2.	Claims Nos.: because they relate to parts of the international application that do not comply van extent that no meaningful international search can be carried out, specifically	vith the prescribed requirements to suc y:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the se	cond and third sentences of Rule 6.4(a
Box No. III	I Observations where unity of invention is lacking (Continuation of	item 3 of first sheet)
This Internation Please See Co	ional Searching Authority found multiple inventions in this international application ontinuation Sheet	on, as follows:
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2. X 3. \ \ \ \	As all searchable claims could be searched without effort justifying an additional payment of any additional fee. As only some of the required additional search fees were timely paid by the application covers only those claims for which fees were paid, specifically claims Nos.: No required additional search fees were timely paid by the applicant. Consequent restricted to the invention first mentioned in the claims; it is covered by claims Note.	fee, this Authority did not invite icant, this international search report tly, this international search report is os.:

International application No. INTERNATIONAL SEARCH REPORT PCT/US04/23634 BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid. Gp 1: claims 1-32, 34 and 51 drawn to screening methods. Gp. 2: claims 33, 36-41 and 45-46 drawn to enhancer compositions. Gp. 3: claims 35, 44, 47-50 and 52 drawn to bioactive containing compositions & use. Gp. 4: claim 42 drawn to composition comprising lauyl ether sulfate & 1-phenyl piperazine. Gp. 5: claim 43: drawn to composition comprising lauryl sarcosine & sorbitan monolaurate. The above groups lack unity since their shared features are not "special" technical features. Diffusion (e.g. membrane) apparatus and screening method of penetration enhancers are known in the art (see e.g. WO 02/16941) as are synergistic penetration enhancer compositions for transdermal delivery (e.g. see US 5,446,025 and US 5,947,921 documents).

STN: FILE REG, CAPLUS, EMBASE, BIOSIS, MEDLINE, WPIDS, DRUGU, CHEMINFORMEX, USPATFUL.

Form PCT/ISA/210 (extra sheet) (January 2004)

Continuation of B. FIELDS SEARCHED Item 3: WEST: USPT, PGPB, USOC, EPAB, JPAP, DWPI, TDBD.